

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050045

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/17

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 848 964 A (MARKS A,US) 19 November 1974 (1974-11-19) column 1, lines 13-58 column 2, line 27 - column 3, line 60 column 5, lines 3-57; figures 1-4 column 6, lines 28-52; figures 5,6 column 7, line 54 - column 10, line 37; figures 10-14	1-9, 11-29, 31-34
Y		10,30
X	US 6 512 503 B1 (KIM HYANG YUL ET AL) 28 January 2003 (2003-01-28) column 2, line 50 - column 3, line 13 column 4, line 35 - column 6, line 67; figures 2,3 ----- -/--	1,3,5-8, 10,33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

13 April 2005

Date of mailing of the international search report

25/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 709 713 A (FUJIKURA LTD; FUJIKURA KASEI CO., LTD) 1 May 1996 (1996-05-01) page 2, lines 44-49 page 3, lines 9-20 page 6, line 5 - page 7, line 33; figures 1,4A,4B page 8, lines 20-58; figures 7-9	1,2,5,6
Y	US 6 665 042 B1 (MARSHALL KENNETH L ET AL) 16 December 2003 (2003-12-16) column 1, lines 13-26 column 4, lines 15-23 column 6, line 40 - column 8, line 5; figure 1	10
Y	US 5 650 872 A (SAXE ET AL) 22 July 1997 (1997-07-22) column 3, line 49 - column 4, line 54; figures 1,2,5,7	30

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Information on patent family members

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